```
Table 3PE-X/C and Y/C coordinates for Tip End Station
        Airfoil coordinates at station 21
         X/C
                    Y/C
         1.00000 0.00000
 5
         0.99906 0.00122
         0.99622 0.00330
         0.99141 0.00601
         0.98465 0.00904
         0.97598 0.01243
10
         0.96542 0.01603
         0.95302 0.01985
         0.93883 - 0.02376
         0.92291 0.02779
         0.90532 0.03184
15
         0.88612 0.03590
         0.86540 0.03992
         0.84323 0.04388
         0.81970 0.04776

<del>0.78899 0.05515</del> ~ 0.7949 0

0.74188 0.05858 0.76893
                                            0.05153 /line 20 )
0.05514 (line 21)
20
         0.71386 0.06181
0.68498 0.06482
         0.65535 0.06756
25
         0.62508 0.07003
         0.59429 0.07220
         0.56310 0.07405
         0.53162 0.07556
         0.50000 0.07673
30
         0.46835 0.07752
         0.43679 0.07794
         0.40545 0.07796
0.37447 0.07759
         0.34396 0.07679
35
         0.31406 0.07558
         0.28489 0.07395
         0.25656 0.07194
         0.22921 0.06953
         0.20293 0.06674
40
         0.17786 0.06357
         0.15409 0.06002
         0.13173 0.05608
         0.11089 0.05181
         0.09165 0.04720
45
         0.07408 0.04236
         0.05826 0.03733
         0.04424 0.03222
         0.03207 0.02704
         0.02182 0.02189
50
         0.01351 0.01676
         0.00718 0.01187
         0.00282 0.00725
0.00043 0.00330
         0.00000 0.00000
55
         0.00155 -0.00126
         0.00507 -0.00200
         0.01054 -0.00208
         0.01790 -0.00176
         0.02713 -0.00093
60
         0.03815 \cdot 0.00028
         0.05094 0.00186
         0.06544 0.00368
         0.08159 0.00576
         0.09934 0.00802
65.
         0.11860 0.01049
         0.13930 0.01312
         0.16136 0.01589
          0.18472 0.01876
          0.20928 0.02167
70
          0.23497 0.02455
```

The following Table 8TE shows the coordinate columns representing the X/C and Y/C coordinates for the tip end station section of the 21 sections of the novel twisted blades for an approximately 850 rpm running blades. These coordinates are given in a non-dimensional format, were x refers to the horizontal position, y refers to the vertical position and c is the chord length between the stations.

Table 8PE-X/C and Y/C coordinates for Tip End Station

5

		rdinates at station	21		
	X/C	Y/C			
	1.00000	0.00000			
10	0.99906	0.00122			
	0.99622	0.00329			
	0.99141	0.00599			
	0.98465	0.00900	- 07-07	m 112.32	(line 15
15	-0.08507	-0:01298 gTE	0.97597	0.01238	
			0.96541	001.596	(line H Line 16)
	0.95302	0.01974	21/03 P/	0.013/3	(4.2.1)
	0.93883	0.02363			
	0.92291	0.02762			
	0.90531	0.03163			
20	0.88611	0.03566			
	0.86539	0.03964			
	0.84322	0.04357			
	0.81969	0.04740			
	0.79489	0.05113			
25	0.76892	0.05472			
	0.74187	0.05812			
	0.71385	0.06132			
	0.68497	0.06430			
	0.65534	0.06702			
30	0.62507				
	0.59428	0.07162		•	
	0.56309	0.07346			
	0.53162	0.07496			
	0.50000	0.07613			
35	0.46835	0.07692			
-	0.43679	0.07735			
	0.40546	0.07739			
	0.37448	0.07703			
	0.34398	0.07624			
40	0.31408	0.07506			
	0.28491	0.07346			
	0.25659	0.07148			
	0.22923	0.06911			
	0.20296	0.06635			
45	0.17789	0.06322			
	0.15412	0.05970			
	0.13177	0.05581	•		
	0.11093	0.05157			
	0.09168	0.04700			
50	0.07412	0.04220		•	
	0.05829	0.03720			
	0.04427	0.03211			
	0.03210	0.02696			
	0.02184				
55	0.01353	0.01673			
	0.00719	0.01185			
	0.00283	0.00725			
	0.00043	0.00330			
	0.00000	0.00000			
60	0.00154	-0.00126			

```
0.0179115
                            -0.0017384
         0.0271347
                            -0.0009006
         0.0381606
                             0.0003139
         0.0509464
                             0.0019083
 5
         0.0654484
                             0.0037426
         0.0816040
                             0.0058311
         0.0993477
                             0.0081111
         0.1186083
                             0.0105931
         0.1393102
                             0.0132410
10
         0.1613767
                             0.0160313
         0.1847317
                             0.0189132
         0.2092923
                             0.0218452
         0.2349770
                             0.0247440
         0.2616920
                             0.0275508
15
         0.2893394
                             0.0302564
         0.3178212
                             0.0327839
         0.3470246
                             0.0351534
         0.3768457
                             0.0373088
         0.4071689
                             0.0392384
20
         24-378811
0.4688653
                             0.0409059
                             0.0422847
         0.5000000
                             0.0433509
         0.5311644
                             0.0440895
         0.5622367
                             0.0444887
25
         0.5930926
                             0.0445479
         0.6236093
                             0.0442592
         0.6536649
                             0.0436237
         0.6831397
                             0.0426531
         0.7119144
                             0.0413533
30
         0.7398711
                             0.0397338
         0.7668971
                             0.0378218
         0.7928844
                             0.0356251
         0.8177245
                             0.0331693
         0.8413172
                             0.0304948
35
         0.8635685
                             0.0276264
         0.8843893
                             0.0246186
         0.9036951
                             0.0215002
         0.9214126
                             0.0183438
         0.9374697
                             0.0151720
40
         0.9518037
                             0.0120716
         0.9643556
                             0.0090513
         0.9750783
                             0.0062344
         0.9839302
                             0.0036208
         0.9908760
                             0.0013914
45
         0.9958938
                            -0.0004591
         0.9989638
                            -0.0016123
         1.0000000
                            -0.0024366
         1.0000000
                             0.0024366
```

55

Referring to Tables 9, 9RE and 9TE, there are twenty one(21) stations equally

spaced along the blade length. The column entitled Radius meter includes the distance in
meters from the root end of the blade to station 1(horizontal line across the blade).

Column entitled Chord Meters includes the width component of the blade at that
particular station. Twist degrees is the pitch of the twist of the blades relative to the hub
with the degrees given in the direction of blade rotation.

The comparative performance of the blades shown in Figures 37-41 are shown in Table 1, and the dimensions for these blades are shown in Table 2.